

Abstract**A Medical Device**

- 5 A medical device (10) for insertion into a bodily vessel (6) to treat an aneurysm (5) having an aneurysm neck, the device (10) comprising: a mechanically expandable device (20) expandable from a first position to a second position, said mechanically expandable device (20) is expanded radially outwardly to the second position such that the exterior surface of said mechanically expandable device (20) engages with
- 10 the inner surface of the vessel (6) so as to maintain a fluid pathway through said vessel (6); a therapeutically effective amount of a chemical compound comprising a biosynthesis accelerator to stimulate cell growth; and a polymer (30, 41, 42) mixed with the chemical compound to manage the release rate of the chemical compound; wherein the mechanically expandable device (20) provides a support
- 15 for the release of the chemical compound within the aneurysm (5) to stimulate cell growth within the aneurysm (5) and close the aneurysm neck.

Figure 9